

Location ID: BLM-8-418 Field Representative(s): P. EganNorthing: 231423.04 Easting: 403768.31Date Started: 13 June 1988 Date Completed: 28 June 1988Drilling Method: Air-foam rotary Drilling Contractor: LarjonDriller: J. GowerTotal Depth Borehole: 452' Total Depth Well Casing: 433.7'Total Depth Surface Casing: 105'Diameter Well Casing: 4" Diameter Surface Casing: 10"Length of Bottom Blank: 5.3'Type of Screen: extra strength 0.02 slotScreen Interval: 418' to 428.4'Water First Detected: 426' Water Level Open Borehole: 316'Water Level Cased Borehole: 321.8'

Quik-Foam Use: 5 gallons

Estimated Water Use: 10,600 gallons used during drilling
12,477 gallons recirculated (this also includes
formation water blown from hole)

Well Casing:

4in x 3ft SCD 40 PVC:	stock SS centralizers:	
4in x 5ft SCD 40 PVC:	custom SS centralizers:	1
4in x 10ft SCD 40 PVC:	4"x2' SS locking riser:	1
4in x 20ft SCD 40 PVC:	4" SS locking cap:	1
Total SCD 40 PVC pipe:	4" SS female cap:	1
	ft	
4in x 3ft SCD 5 SS pipe:		
4in x 5ft SCD 5 SS pipe:	4in x 5ft SCD 10 SS pipe:	1
4in x 10ft SCD 5 SS pipe: 1	4in x 10ft SCD 10 SS pipe:	1
4in x 20ft SCD 5 SS pipe: 20	4in x 20ft SCD 10 SS pipe:	
Total SCD 5 SS pipe:	Total SCD 10 SS pipe:	15
410.1	ft	

Well Completion:

100# bags 16/40 sand: 5 bags
100# bags 10/20 sand: 0 bags
100# bags 8/14 sand: 0 bags
100# bags 8/20 sand: 28 bags

94# bags cement: 190 bags

5 gal. buckets bentonite: 2 buckets

50# bentonite powder: 11 bags

Surface Casing:

94# bags cement: 103 bags

50# bags bentonite powder: 10 bags

Pertinent Field Notes:

6/13/88 Drill pilot hole, 0'-100', 8 7/8" bit. 1800 gallons water used. Ream, 14 3/4" bit, 0'-70'.

6/14/88 Ream, 14 3/4" bit, 70'-105'. Install 10" x 105' steel surface casing. 1100 gallons water used.

6/15/88 Drill, 9 7/8" bit, 105'-251'. Monitored main and auxiliary compressors. 1200 gallons water used. Using a second stabilizer to minimize drift.

6/16/88 Drill, 9 7/8" bit, 251'-350'. Monitored main and auxiliary compressors. Ruptured hydraulic line. Repaired at well site. 3000 gallons water used. Drilling is slow. May be due to large diameter of new stabilizer.

6/17/88 Drill, 9 7/8" bit, 350'-391'. Monitored main compressor. Stabilizer is slowing drilling process, therefore Larjon will take stabilizer back to yard to tool it to a smaller diameter. 2300 gallons water used.

6/22/88 Both water trucks broke down while returning from Well I with water. No drilling today.

6/23/88 Drill, 9 7/8" bit, 391'-432', core 432'-442', 100% recovery. 1000 gallons water used.

6/24/88 Drill, 9 7/8" bit, 432'-452', TD hole at 452'. 200 gallons water used.

6/25/88 Don Pearson of Southwest Surveys logged hole. Ran standard suite of logs plus drift. Chose screened interval at 418'-428'. Borehole drifted 23'. Install 100' of SS casing suspended within surface casing.

6/26/88 Installed remainder of casing. Total casing in borehole: 4" x 437.8'. Install gravel pack, top plug (5.75') and some of the filler sand.

6/27/88 Install remainder of filler sand and grout. Grout is 63' from the surface.

6/28/88 Develop well. Pump at 17 gpm for three hours. Pumped 2116 gallons. Finish grouting to surface.

6/30/88 Pour concrete pad around well and set brass cap.